



NEWPORT EDUCATION COMMITTEE

Medical Inspection of School Children

FORTY-NINTH

ANNUAL REPORT

FOR THE

YEAR ENDED 31st DECEMBER, 1956

BY

W. B. CLARK, M.B., Ch.B., D.P.H.

PRINCIPAL SCHOOL MEDICAL OFFICER.

GLOSSARY OF TERMS USED IN THE ANNUAL REPORT

EYE CONDITIONS

Blepharitis = Inflammation of lid margin.
Coloboma Iridis = Gap in development of iris.
Corneal Leucomata = Scars of cornea.
Nystagmus = Oscillations.
Old Interst. Keratitis = Inflammation of Cornea.
Ptosis = Drooping Eyelid.

SPEECH CONDITIONS

Dyslalia = Defective articulation.
Interdental Sigmatism = Lisp = 'th' substituted for 's'
Hyperrhinophonia = Excessive nasality.
Lateral Sigmatism = Voiceless 'l' sound substituted for 's'
Nasal Sigmatism = 's' pronounced nasally.
Rhoticism = Defective 'r' sound.

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Rev. G. L. SCOTT.

Mr. G. A. D. LAWRENCE, B.E.M.

MEDICAL STAFF

Principal School Medical Officer:

William Burns Clark, M.B., Ch.B., D.P.H.

Deputy Principal School Medical Officer:

John Sleigh, M.B., Ch.B., D.P.H.

Senior School Medical Officer:

Irene T. J. Ruxton, M.B., Ch.B., D.P.H.

School Medical Officers:

Richard Roderick, M.R.C.S., L.R.C.P., C.P.H.

Richard Morgan Brown, M.B., Ch.B., D.P.H.

Principal Dental Officer:

William Gordon Clarkson, L.D.S., R.C.S.

Dental Officers:

Mary K. E. Owen Williams, L.D.S.

Harold Edward Edney, L.D.S. (resigned 25.2.56)

Rawlings George Watkeys, L.D.S. R.C.S., Eng. (Part-time)

Thomas Charles Hughes, L.D.S., U.Brist. (commenced 2.7.56)

Trevor Basil Bassett-James, B.D.S., L.D.S., R.C.S. (Part-time) (commenced 1.8.56)

Senior School Nurse:

Gladys Maud Hoddinott (retired 18.7.56)

School Nurses:

Cecile M. Boucher, Norah Sheahan, Blodwen A. Blomley (retired 29.2.56),

Nellie Weeks, Rosina Prosser, Edna M. Bowman, Hilda M. Young.

Speech Therapist:

Margaret E. Harris, L.C.S.T.

Oral Hygienist :

Cecily M. R. Coward (commenced 1.4.56—resigned 31.12.56)

Audiometrician:

Lawrence A. Brooks (resigned 22.9.56)

Jane Marsh (commenced 24.9.56).

Dental Attendants:

Marion A. Forster, Doreen L. F. Webb (resigned 27.8.56), Ann Elliott, Margaret Griffin.

Chief Clerk :

Douglas Trowbridge (retired 31.12.56).

Clerks:

Winifred S. Weare, Ronald Lewis, Margaret Weaver, Jane Marsh (resigned 22.9.56),

Iris Williams, Lorna Shore (resigned 7.4.56), Doris E. Packer (commenced 28.8.56),

Ann L. Shead (commenced 20.9.56).

Visiting Consultant: Ear, Nose and Throat

Surgeons:

D. B. Sutton, M.B., B.S., F.R.C.S., D.L.O.

J. L. D. Williams, M.B., Ch.B., F.R.C.S.

Ophthalmic Surgeon: F. W. Robertson, M.A., M.D., D.O.M.S.

Psychiatrist: G. M. King, M.R.C.S., L.R.C.P.

Assistant Psychiatrist: D. F. Vaughan Johnston, B.Sc., M.B., B.Ch.

Orthoptist: Susan Lonnon.

ANNUAL REPORT

To the Chairman and Members of the Education Committee

MR. CHAIRMAN, LADIES AND GENTLEMAN,

I beg to submit the forty-ninth Annual Report of the Principal School Medical Officer for the year ended 31st December, 1956.

CHANGES IN STAFF

Mr. T. C. Hughes, full-time temporary dental officer, and Mr. T. B. Bassett-James part-time temporary dental officer were appointed from the 2nd July and the 1st August, 1956, respectively.

Mr. T. D. Trowbridge who had spent the whole of his working life in the School Health Service, retired on the 31st December, 1956 after 45 years of conscientious and devoted service, and the Committee's best thanks were accorded to him on his retirement for his loyalty over that period.

The School Health Service continues to function satisfactorily, and every endeavour is made to correlate the service with that of all General Practitioners and the Specialist Services of the Regional Hospital Board.

The close liaison which has developed between Dr. T. A. Brand, the Consultant Paediatrician of the Royal Gwent Hospital and the School Health Service has continued to be of great value, especially in the case of handicapped pupils, and I especially re-acknowledge with grateful thanks his work on behalf of the school children.

SCHOOL CLINICS.

Special Inspection Clinic. School Clinic, 26 Clytha Park Road.

Mornings: Monday to Saturday (inclusive).

Afternoons: Monday to Friday (inclusive).

Minor Ailments Clinic. School Clinic, 26 Clytha Park Road.

Mornings: Monday to Saturday (inclusive).

Afternoons: Monday to Friday (inclusive).

Ophthalmic Clinic (Refraction). School Clinic, 26 Clytha Park Road.

Mornings: Monday, Thursday & Saturday (2nd & 4th Tuesday).

Afternoons: Monday.

Immunisation Clinic. School Clinic, 26 Clytha Park Road.

Mornings: Saturday and by appointment.

Scheme for the Prevention of Deafness Clinic. School Clinic, 26 Clytha Park Road.

Mornings: 1st and 3rd Tuesday. 2nd, 4th and 5th Friday.

Speech Therapy Clinic. School Clinic, 26 Clytha Park Road.

Mornings: Monday to Saturday (inclusive).

Afternoons: Monday to Friday (inclusive).

Orthoptic Clinic. School Clinic, 26 Clytha Park Road.

Mornings: Monday to Thursday (inclusive).

Afternoons: Monday to Friday (inclusive).

Orthopaedic Clinic.

(*Examination*)

Mornings: Monday, Wednesday and Friday.

(*Massage, Exercises etc.*)

Mornings: Tuesday, Thursday and Saturday.

Afternoons: Tuesday and Thursday.

Maternity and Child Welfare Clinic,
27 Clytha Park Road.

Maternity and Child Welfare Clinic,
27 Clytha Park Road.

Maternity and Child Welfare Clinic,
27 Clytha Park Road.

Ultra Violet Ray Clinic.

Mornings: Monday and Friday.

Afternoons: Monday and Friday.

Maternity and Child Welfare Clinic,
27 Clytha Park Road.

Aural Clinic.

The Aural Specialists attend on 44 sessions per annum.

THE SCHOOL HEALTH SERVICE IN RELATION TO MAINTAINED PRIMARY AND SECONDARY SCHOOLS (including Special Schools).

Medical Inspection.

The arrangements for carrying out Medical Inspection at the Schools have been described in previous reports.

The following groups of primary and secondary pupils were examined during the year:—

A. Periodic Medical Inspections.

Number of Inspections in the Prescribed Groups:—

Entrants	...	...	...	...	...	1,509
Second Age Group	...	...	...	...	...	1,519
Third Age Group	...	...	...	...	...	1,034
Total						4,062
Number of other Periodic Inspections						420
Grand Total						4,482

B. Other Inspections.

Number of Special Inspections	...	...	12,381
Number of Re-Inspections	...	...	2,227
Total			14,608

FINDINGS OF MEDICAL INSPECTION.

General Condition.

Of the 4,482 pupils examined at the routine inspections, 1 was found to be in an unsatisfactory physical condition.

Uncleanliness.

Regular visits were paid to all Primary Schools and Secondary Schools during the year, the average number being three per school.

41,430 examinations of boys and girls were made at schools and 1,412 children were found to have unclean heads. 82 had vermin and 1,330 nits only. In addition 178 follow-up examinations were made at the School Clinic.

The prevalence of Scabies has again been low, only 3 cases being recorded.

Minor Ailments and Diseases of Skin.

The total number of minor ailments and diseases of the skin dealt with during the year was 1,004. These were composed of the following: Minor Ailments, 466; Ringworm of Scalp, 0; Ringworm of Body, 7; Scabies, 3; Impetigo, 38; other Skin Diseases, 490.

By arrangement with Dr. Bernard Thomas, Consultant Dermatologist at the Royal Gwent Hospital, all cases of ringworm of scalp brought to our notice would be referred for opinion and treatment to the skin department at the Hospital, but this year there has been no incident of the disease.

Visual Defects and External Eye Diseases.

There were 1,510 cases of defective vision, 374 of whom had squint. 480 of the total were found during routine examinations at the schools. The remainder were cases referred to the Clinic or followed up from previous years.

Arrangements were made for a School Nurse to examine at schools children of age 7—9 years for defective vision. During the year 21 schools were visited and 1,544 children were examined, and it was found necessary to refer 88 children to the School Clinic for examination by the Ophthalmic Surgeon.

There were 252 cases of external eye diseases. These were made up as follows: Blepharitis, 52; Conjunctivitis, 54; Keratitis, 0; Corneal Opacities, 0; other Eye Conditions, 141.

Nose and Throat Defects.

The total number of defects of Nose and Throat dealt with was 1,263. There were 230 cases of Chronic Tonsillitis only, 1 of Adenoids only, 643 of Chronic Tonsillitis and Adenoids, and 389 other conditions.

Ear Diseases and Defective Hearing.

The total number of cases of ear disease and defective hearing dealt with was 694. These comprised 225 cases of defective hearing, 163 of Otitis Media, and 306 other conditions.

Dental Defects.

Twenty-one Schools involving 27 departments were visited during the year by the Dentists for Inspection purposes.

6,507 routine cases and 4,306 special were examined; 3,805 of these were found to require treatment.

Thirty-six half-days were devoted to inspection and 1,178 half-days to treatment.

7,895 attendances were made by the pupils at the treatment centre at the Clinic.

Orthopaedic and Postural Defects.

There were 778 cases of Orthopaedic and Postural Defects dealt with during the year.

The following list gives the number of pupils dealt with at the Orthopaedic Clinic:—

	Boys	Girls	Total
Nursery Schools	9	12	29
Primary Schools	263	206	469
Secondary Schools	89	151	240
St. John's Day Special School ...	3	2	5
	<hr/> 364 <hr/>	<hr/> 371 <hr/>	<hr/> 735 <hr/>

1,441 attendances were made by the pupils at the Orthopaedic Clinic.

In addition 15 pupils attending private schools were seen at the Orthopaedic Clinic and 32 attendances were made by these pupils.

My continued thanks are due to Dr. Laird for her willing co-operation.

Heart Condition and Circulation.

During the medical inspections, 50 cases of heart conditions came under observation, 23 being classified as Organic and 27 as Functional. There were no cases of Anaemia recorded.

Other Defects and Diseases.

881 cases came under observation during the year. They comprised the following: Diseases of the Alimentary tract, such as Stomatitis, Gastritis, Enteritis, Appendicitis, etc.; Diseases of the Genito-Urinary Organs, such as Nephritis, Cystitis, Eneuresis, etc.; Infectious Diseases, Major Injuries, Rheumatism, etc.

Following up and After Care.

1,628 visits to homes of maintained Primary School and of Maintained Secondary School pupils were made in connection with after care.

TREATMENT.

Uncleanliness.

There is a Cleansing Station at the Clinic, and this was utilised in 20 cases. In addition, 2 pupils were treated by Liquid Derbac at Schools.

It was found possible to obtain the desired results in the remainder of the cases from treatment at home.

Minor Ailments and Diseases of the Skin.

The total number of minor ailments and diseases of the skin treated during the year was 968, of which 950 received treatment at the Clinic and 18 elsewhere. These were made up as follows:—

	Treated Clinic	Treated elsewhere
Minor Ailments	464	2
Ringworm of Scalp	—	—
Ringworm of Body	7	—
Scabies	3	—
Impetigo	34	3
Other Skin Diseases	442	13

The total attendances for treatment made by pupils from maintained Primary and maintained Secondary Schools was 10,434.

Visual Defects and External Eye Diseases.

Mr. F. W. Robertson, Consultant Ophthalmic Surgeon, held 150 sessions during the year and appended is his report.

During the year 1,548 cases were examined for defective vision, and 1,570 attendances were made, making an average of 10 cases per session.

The following are the details of the cases with defective vision:—

	No. of Cases.	Myopia.	Myopic Astigmatism.	Hypermetropia.	Hypermetropic Astigmatism.	Mixed Astigmatism.	Anisometropia.	No refractive Error or Error not sufficient for correction.
Maintained Primary ...	848	64	91	111	340	67	5	170
Maintained Secondary ...	562	82	131	35	173	37	11	93
Nursery ...	5	—	—	—	2	2	—	1
M. & C. W. Dept. ...	102	—	5	24	45	—	—	28
St. John's Day Special School	16	—	1	1	11	—	—	3
Occupation Centre ...	3	—	—	1	2	—	—	—
Other Schools ...	12	—	—	3	6	1	—	2
Total ...	1,548	146	228	175	579	107	16	297
		24.1%		48.7%		6.9%	1.0%	19.1%

The following abnormal conditions were reported:—

Squint—Divergent ...	...	...	...	5
Alternating	...	...	...	32
Convergent	...	...	...	176
Old Interst. Keratitis	...	...	...	1
Epicanthus	...	...	...	27
Coloboma Iridis	...	...	...	1
Retinopathy	...	...	...	1
Nystagmus	...	...	...	4
Paralysis Left extr. Rectus	...	...	...	1
Ptosis	...	...	...	3
Corneal Leucomata	...	...	...	5
Retina Detachment	...	...	...	1
Blepharitis	...	...	...	4

Fifteen sessions were given to operative treatment and 44 operations were performed during the year at St. Woolos Hospital.

There were 374 cases of myopia and myopic astigmatism.

11 had a total error of over 10 dioptries.

39 had a total error of between 5 and 10 dioptries.

153 had a total error of between 2 and 5 dioptries.

171 had a total error of between 0 and 2 dioptries.

As far as possible all myopes are re-examined at 12 monthly intervals, and special attention paid to those cases which show a definite tendency to increase. Cases with over 10 dioptries and progressing are advised re special training.

There were 754 cases of hypermetropia and hypermetropic astigmatism.

1 had a total error of over 10 dioptries.

110 had a total error of between 5 and 10 dioptries.

413 had a total error of between 2 and 5 dioptries.

230 had a total error of between 0 and 2 dioptries.

There were 107 cases of mixed astigmatism.

23 had a total error of between 5 and 10 dioptries.

58 had a total error of between 2 and 5 dioptries.

26 had a total error of between 0 and 2 dioptries.

There were 16 cases of anisometropia.

0 had a total error of between 5 and 10 dioptries.

12 had a total error of between 2 and 5 dioptries.

4 had a total error of between 0 and 2 dioptries.

191 cases of external eye diseases were treated at the Clinic and 9 elsewhere.

Orthoptic Treatment.

Miss S. Lonnon works under the direction of the Ophthalmic surgeon and gave nine sessions per week at the School Clinic, the remaining two sessions being allocated to the Royal Gwent Hospital. During the year Miss Lonnon held 385 sessions and dealt with 426 children. The reduction in the number of sessions from 412 in 1955 to 385 in 1956 is because Miss Lonnon was requested by the Hospital Board to undertake 3 weeks' relief duties.

The following is her report:—

Children receiving or having received regular treatment	97
Children under observation	168
Children who had an operation and still attend the Clinic	42
Children now on operation waiting list attending Clinic	27
Children discharged:—	
(a) Nothing abnormal detected	31
(b) No need for treatment	7
(c) Functionally cured	14
(d) Cosmetically satisfactory	30
Children who failed to attend	9
Children who have left the town	1
Total ...	426

No. of new cases during 1956—120.

Total attendances during 1956—1,745.

Nose and Throat Defects.

397 cases were operated on during the year for Tonsil sand Adenoids as compared with 282 during the previous year. The sources from which they came were as follows:—

	Boys	Girls	Total
Maintained Primary Schools	172	197	369
Maintained Secondary Schools	1	7	8
St. John's Day Special School	2	—	2
Nursery Schools	3	3	6
Maternity and Child Welfare Dept.	4	6	10
Occupation Centre for Mental Defectives	—	—	—
Other Schools	—	2	2

The operations were performed at St. Woolos Hospital by Mr. Sutton, the Ear, Nose and Throat Surgeon.

In addition 6 cases were treated other than through the Education Committee's arrangements.

At the end of the year 1956. the waiting list for operations for the removal of Tonsils and Adenoids was 182 and there were 698 cases on the observation list.

Ear Diseases and Defective Hearing.

543 cases of ear diseases and defective hearing were treated at the Clinic and 27 elsewhere.

Aural Clinic.

This Aural Clinic is held for the purpose of treating chronic ear conditions with a view to the prevention of deafness and 43 sessions were held by Mr. D. B. Sutton and Mr. J. L. D. Williams, the Aural Surgeons, during the year under review.

374 children were examined and the sources from which they came are as follows: Maintained Primary Schools, 287; Maintained Secondary Schools, 74; St. John's Day Special School, 6; Nursery Schools, 2; Maternity and Child Welfare Dept, 3; Private School, 2.

The total number of attendances made at the Clinics by these children was 735.

The defects included acute and chronic otitis media, suppurative and catarrhal, and deafness, and were dealt with as recommended by the Aural Surgeons.

Ascertainment of Defective Hearing.

The Audiometrician visited schools and tested by gramophone audiometer 3,182 children. Of these 165 were found to have some defect of hearing and were then referred to myself for further examination and dealt with in accordance with my recommendations.

(1) AMOUNT OF DEFECTIVE HEARING FOUND

Total children tested in school	...	...	...	3,182
Number failing test (after two attempts)	...	...	...	165

(2) DEGREE OF HEARING LOSS

Severe	...	...	...	23
Moderate	...	...	...	49
Slight	...	...	...	93
Total	...	...	...	165

(3) ANALYSIS OF CAUSES

Wax	...	...	...	...	...	39
Imperfect Drum	...	...	...	...	...	74
Otorrhoea	...	...	...	...	...	9
T. & A's	...	...	...	...	...	4
Nil abnormal diagnosed	...	...	...	...	...	24
Miscellaneous causes	...	...	...	...	...	9
Not yet clasified for various reasons	...	...	...	...	...	6
Total	...	...	...	...	...	165

NOTE.—Where more than one condition has been found in one case, the one likely to give the greater deafness is included.

(4) ACTION TAKEN ON FAILURES OF TEST

A. Recommended removal of wax	...	...	40
B. Referred to Aural Clinic	...	...	54
C. Placed on list for T. & A. operation	...	...	5
D. For Observation only	...	...	21
E. Retested individually and passed test	...	...	39

F. No action possible (absent, left school, refusals, treated elsewhere, etc.)	...	14
G. Awaiting individual retest	... ..	3

In addition to the above, recommendations were made in 85 cases for favourable placing in the classroom to assist hearing. This includes those tested in schools, and at the School Clinic.

(5) TESTING IN SCHOOL CLINIC

Total number of "Specials" tested	696
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Orthopaedic and Postural Defects.

During the year 8 Maintained Primary School pupils and 2 Maintained Secondary School pupils received operative treatment at the Prince of Wales Orthopaedic Hospital, Cardiff, and 402 pupils were given massage or fitted with appliances etc., at the Orthopaedic Clinic at the Maternity and Child Welfare Department.

1,060 attendances were made by the pupils at the Orthopaedic Clinic for massage and exercises.

Heart Conditions.

This type of case is usually referred to the private practitioner for the appropriate treatment, and where necessary recommendations are made for admission to special residential schools, especially in rheumatic cases, after consultation with their own doctor.

Tuberculosis.

Excellent co-operation is still maintained with the local Chest Physicians to whom suspected cases are referred at the Chest Clinic.

Tuberculin Testing of 5 and 9 year olds.

During the year tuberculin testing was offered for the first time to children in the age groups 5—6 and 9—10 years. In the age group 5—6 years this offer was accepted by 810 children of whom 781 (96.4%) were tuberculin negative and 29 (3.16%) were tuberculin positive and were given a chest X-ray, and in the age group 9—10 years the offer was accepted by 1,208 children of whom 1,073 (88.8%) were tuberculin negative, and 135 (11.2%) were tuberculin positive and were given a chest X-ray. No cases of tuberculosis were found in either age group. Tuberculin testing is a much cheaper and more efficient way of finding cases of tuberculosis than mass X-ray, as it makes it unnecessary to X-ray any but the tuberculin positive cases.

B.C.G. Vaccination against Tuberculosis.

B.C.G. vaccination was offered to children in the age group 13—14 years. and this offer was accepted by 915 children. Of this total 745 (81.4%) were tuberculin negative and were given B.C.G. vaccination and 170 (18.6%) were tuberculin positive and were given a chest X-ray. No cases of tuberculosis were found. The previous year the offer was accepted by 853 children. of whom 675 (79.1%) were tuberculin negative and were given B.C.G. vaccination, and 178 (20.1%) were tuberculin positive and were given a chest X-ray. Two cases of tuberculosis were found. These figures will be compared from year to year but in the meantime it appears that about 20% of the age groups 13—14 years are tuberculin positive and that this proportion is tending to fall. No particular correlation is evident between type of school or type of area and the proportions of tuberculin positive children in that school, nor is any particular correlation evident between the proportions of tuberculin positive children in any one school in the two successive years but such correlations may appear in due course and is a matter for observation.

SCHOOL DENTAL REPORT FOR YEAR 1956.

The work of the Dental Clinic has again been beset with difficulties during 1956 as in previous years, and as indicated in the report for 1955 further staff changes have occurred. First effect of the disturbance was the unfortunate illness of the Principal School Dental Officer, Mr. W. G. Clarkson, which necessitated his being absent from duty since March, 1956.

This loss of the Principal Dental Officer, who is not expected to return to duty before the middle of the year 1957, has meant quite a change in that the permanent strength has been reduced to one Dental Officer.

The second loss was that of Mr. H. E. Edney who resigned his appointment as Assistant School Dentist in February, 1956.

As a short term expediency only, Mr. T. C. Hughes was appointed as full-time temporary and Mr. T. B. Bassett-James as part-time temporary Dental Officers from July and August, 1956 respectively.

STAFF.

Total staff serving on the 31st December, 1956 is equivalent to $2\frac{2}{3}$ Dental Officers compared with $3\frac{1}{2}$ for 1955 and 4 for 1954, which is the recognized establishment. The number of Dental Attendants is 3 as against 4 on 31st December, 1955.

INSPECTIONS.

The total number of children inspected during the year was 10,813. This is very little below the figure of 10,899 for 1955 though still far below that for 1954 which was 16,513. Children inspected are divided into 2 groups (a) those receiving periodic inspections in schools and (b) those having a special examination at the Clinic.

(a) PERIODIC INSPECTIONS.

During the year 21 schools involving 27 departments were visited for routine dental inspection on 36 sessions (half-days), when a total of 6,507 children was examined as against 7,880 for 1955. Of the number inspected 3,805 or 58.5% were referred to the Clinic for treatment.

(b) SPECIAL INSPECTIONS.

The total number of children referred by parents, teachers, doctors and nurses for special examination at the Clinic, was 4,306 which is an increase over the previous year of 1,287.

Most of the children included in this group are brought by parents for the relief of toothache. It is still a matter of regret that too many parents prefer to ignore altogether, or alter the time of their appointments to suit themselves, with the result that satisfactory administrative planning of appointments for parents as a whole is upset and people thereby become aggrieved.

TREATMENT.

A total of 1,178 sessions (or half days) was devoted to treatment at the Clinic, when 7,895 attendances were made by 6,993 school children.

The total number of teeth extracted was 7,280—1,942 permanent and 5,338 temporary. This shows a reduction of 1,386 compared with last year.

For the extraction of teeth 3,728 general anaesthetics were administered, 174 sessions being devoted for that purpose.

The total number of fillings inserted was 3,872 which it is gratifying to note is an increase of 282 over last year.

ARTIFICIAL DENTAL AND ORTHODONTIC TREATMENT.

During the year 22 dentures comprising 50 teeth were provided to replace front teeth lost by accident or decay. This is a decrease of 24 dentures compared with 1955.

Orthodontic treatment was first carried out during the year 1954, at a time when there were four full-time Dental Officers on the staff of the Clinic. Last year the Principal School Dental Officer in his report indicated that if the staffing position worsened, there might have to be some curtailment of this treatment which was a time consuming service.

It is with regret therefore that no orthodontic work was able to be carried out at the Clinic during 1956. If any cases had arisen requiring this treatment, they would have been referred to the Cardiff Orthodontic Clinic.

DENTAL CARIES.

Following the comparisons and conclusions drawn in last year's report, relating to the work now being done for pre-school children under the Maternity and Child Welfare Service, and the effects later found in their school life, it is interesting to note that of the 6,507 inspected in schools during the year, 3,805 children only were required to be referred for treatment. This gives a figure of 2,702 not required to be referred for treatment, or 41.5%, compared with 40% for 1955 which would appear to indicate a trend in the right direction.

DENTAL X-RAYS.

The advent of the new dental X-ray machine at the Clinic has been found of great value in facilitating diagnosis and continued use will be made of this facility now that it is available at the Clinic itself instead of having to refer cases to the Royal Gwent Hospital, as was the practice hitherto. Particularly is this facility found invaluable in treating the pre-school children and nursing mothers.

MATERNITY AND CHILD-WELFARE SERVICE.

Whilst the figures in respect of the Maternity and Child Welfare Dental Service are not indicated in this report good work has been done during the year for pre-school children and expectant and nursing mothers. Separate sessions are arranged on Friday and Saturday mornings for expectant and nursing mothers and pre-school children. It is of course found that when pre-school children are treated it is more convenient very often for the mother who attends with the child to receive treatment herself. Extraction of teeth under gas anaesthesia is available on these mornings, and many mothers avail themselves of this service to attend for extractions.

Expectant and nursing mothers were fitted with full dentures in 49 cases and partial dentures in 11 cases.

613 extractions and 40 fillings were carried out to pre-school children during the year 1956.

CONCLUSION.

In connection with the foregoing report, in the absence of the Principal School Dental Officer, the detailed organisation of the Dental Service for school

children, pre-school children, and for nursing mothers and expectant mothers has necessitated my undertaking this responsibility personally in detail.

W. B. CLARK,

Principal School Medical Officer.

Speech Therapy.

The following is the report of Mrs. M. E. Harris, the Speech Therapist.

At the beginning of the year 142 children were attending for treatment. During the year 68 new cases were examined and 61 taken on for treatment. The classification of the 203 cases is as follows:—

General dyslalia	...	...	...	...	...	12
Multiple dyslalia	...	...	...	...	...	58
Multiple dyslalia and stammer	...	...	...	...	...	8
Simple dyslalia	...	...	...	...	...	14
Stammer	...	...	...	...	...	37
Lateral sigmatism	...	...	...	...	...	21
Lateral sigmatism and stammer	...	...	...	...	...	1
Interdental sigmatism	...	...	...	...	...	11
Interdental sigmatism and multiple dyslalia	...	...	...	...	...	3
Interdental sigmatism and simple dyslalia	...	...	...	...	...	2
Interdental sigmatism and stammer	...	...	...	...	...	2
Nasal sigmatism	...	...	...	...	...	5
Nasal sigmatism and multiple dyslalia	...	...	...	...	...	1
Nasal sigmatism and stammer	...	...	...	...	...	1
Rhotocism	...	...	...	...	...	3
Retarded speech	...	...	...	...	...	14
Cleft palate	...	...	...	...	...	6
Lip reading	...	...	...	...	...	2
Hyperrhinophonia	...	...	...	...	...	2
						<hr/>
						203
						<hr/>

During the year 48 children were discharged:—

Attained normal speech	...	...	...	...	...	26
Left school prior to completion of treatment	...	...	...	...	...	5
Non-Attendance	...	...	...	...	...	6
Left district	...	...	...	...	...	1
Left to attend a special school:—						
Moor House Residential School for Speech Defects	...	...	...	...	...	1
Residential School for the deaf	...	...	...	...	...	1
Residential school for the Educationally Subnormal	...	...	...	...	...	1
						<hr/>
						41
						<hr/>

On examination 7 cases were found not to require treatment.

At the end of the year 155 children were attending for treatment.

Artificial Light.

This form of treatment has been carried out as in the past years at the Maternity and Child Welfare Department, and I have to thank Dr. Curran for the information from which the following table has been completed.

Condition for which treated.	No. treated.	Average period of treatment—weeks.	Maximum period of treatment—weeks.	Minimum period of treatment—weeks.	Average number of doses.	Maximum number of doses.	Minimum number of doses.	Average strength of dose—mins.	Maximum strength of dose—mins.	Minimum strength of dose—mins.
General Debility ...	24	10	32½	1	20	65	2	3.4	4	½
Respiratory Conditions ...	8	11	20	5	22	41	10	3.6	4	½
Rheumatism ...	3	13	25½	6	26	51	12	3.5	4	½
Skin Conditions ...	3	5½	9½	1½	11	19	3	3.2	4	½
	38	—	—	—	—	—	—	—	—	—

The number of pupils treated was 38, and 788 attendances were made for treatment. The pupils were treated by the Hanovia Sunlight Lamp (Maximum dosage 4 minutes).

Analysis of the case records reveal the following facts:—

			Improvement in General Health.			
			No. of cases	Improved	Slightly Improved	No change
General Debility	...	...	24	15	5	4
Respiratory Conditions	...	...	8	8	—	—
Rheumatism	...	...	3	2	1	—
Skin Conditions	...	...	3	3	—	—
			38	28	6	4

Infectious Diseases.

The total number of cases of infectious disease occurring among school pupils was 1,244, made up as follows; Scarlet Fever, 311; Diphtheria, 0; Measles, 336; German Measles, 9; Whooping Cough, 192; Chicken Pox, 318; Mumps, 75; Poliomyelitis, 3.

REINFORCING IMMUNISATION AGAINST DIPHTHERIA OF 5 YEAR OLDS.

During the year reinforcing Immunisation against Diphtheria of children in the age group 5—6 was carried out for the first time in the schools instead of at the School Clinic. This resulted in an increase in the numbers immunised from 239 in 1955 to 901 in 1956.

IMMUNISATION AGAINST POLIOMYELITIS.

During the year Immunisation against Poliomyelitis was carried out for the first time of those children whose parents had asked for it to be done and who were in the age groups selected by the Ministry of Health. 2,340 boys and 2,254 girls of school age, making a total of 4,594, were registered following receipt of a request from their parents for Immunisation against Poliomyelitis. This represented 56.5% of the 8,131 children of school age in the age groups selected by the Ministry of Health. However vaccine was available from the Ministry of Health during the year in sufficient quantity to immunise only 164 boys and 180 girls of school age making a total of 344. This represented 7.5% of those registered or 4.2% of the total number of children in the age groups concerned.

Open Air Classes.

These classes were last held at St. Julian's Junior Mixed School in July, 1955. The first instalment of the School for Delicate Children at the Gaer is to be opened in April, 1957.

Physical Education.

The following is an abridged joint report on Physical Education for the year 1956 by Mrs. M. Savidge and Mr. R. H. Diaper.

REPORT ON PHYSICAL EDUCATION FOR 1956

We are pleased to submit a report on Physical Education for the year 1956.

This year has seen several changes in administration and staffing, but despite initial difficulties, increasing interest and good results in most aspects of physical education have been maintained.

All schools are now working according to the Hertfordshire Scheme for the provision of all equipment and materials. It has been observed that many schools have purchased little or no equipment since the introduction of the scheme. However, many Head Teachers have expressed concern about the need for being kept in touch with modern trends and developments in the design and use of physical education equipment. Every effort will be made to satisfy this requirement.

In the past, schools have been well supplied with large climbing and agility apparatus and an adequate basic stock of small apparatus. It is now advisable in many cases for additional units of large apparatus and extra supplies of small apparatus to be purchased to widen the field of agility activities and to permit a greater degree of individual practice of basic games skills.

Although the modern trend in physical education is the development of individual skills for further application in games, this need not demand excessive equipment if games periods are organised with small class units rather than mass school games which have been favoured in the past. Where games have been organised on the basis of smaller units, a considerable measure of success has been achieved.

The Authority's provision for the marking of playgrounds has greatly facilitated the organisation of outdoor activities.

As in past years several teachers' courses have been arranged, and the excellent attendances at all indicate the enthusiasm and co-operation readily given by the Newport teachers. The courses included recreative and Scottish dance, a two day course in the Art of Movement conducted by Miss Marion North, a five session course on modern methods of swimming instruction, athletics coaching and an instructional demonstration in conjunction with the Central Council of Physical Recreation and the Welsh Badminton Union in the skills and games tactics of badminton.

In addition, several teachers have attended holiday courses in other parts of the country. One teacher was granted secondment in order to pursue a one-year course of study for a Diploma in Physical Education.

ATHLETICS.

The Secondary and Primary Schools' Athletics Associations held their annual championship meetings at the Newport Athletic Club grounds in the months of June and July respectively. At the Primary Schools' meeting over 1,000 children took part. Despite a lack of adequate facilities in Newport for the jumping events, a very much improved standard of high jumping was displayed by a great number of children. Extremely efficient organisation ensured the success of both meetings despite the unfavourable weather conditions.

In the field of athletics for girls much success was achieved by Secondary School pupils. In the 1956 Monmouthshire Championship Meeting, Newport girls appeared and were placed in all but two of the final events. In nine events they bettered the performance of the 1955 holders. Consequently, Newport girls gained more than half of the final placings. In the 1956 Welsh Championship meeting at Swansea, two Newport girls were members of the Senior Relay Team representing Monmouthshire which broke the previous record and won the Championship.

GAMES.

The Schools' Associations responsible for the games of baseball, cricket, association and rugby football arranged full programmes of inter schools' fixtures, many of which could not be carried out because of the unsatisfactory state of pitches following only moderate rainfall. All sports suffer considerably as a result of the lack of well drained playing fields. This position is improving as new schools are erected on sites which provide adequate playing fields.

Coaching sessions in netball were arranged for junior and senior players and proved very beneficial. Town Netball trials were held and three schools' teams were selected; an over 15½ years Secondary Schools VII, and under 15½ years Secondary Schools VII, and a team to represent Newport Secondary Schools. It was our privilege this year to hold the South Wales Netball trials in Newport. Two players and one reserve were chosen from Newport, while the South Wales Junior VII included three Newport players.

Hockey coaching sessions were held throughout the year and during the Autumn term two rallies were arranged with eight Secondary Schools taking part. A town team was selected, and at the end of term met a team of Newport teachers, the latter winning by 3 goals to 1. The game was most successful and proved how, with additional practice, quite a good standard can be achieved.

SWIMMING.

During the year, a great measure of success has been achieved in all aspects of swimming.

For the second year, the new scheme of swimming instruction for Junior School Children operated between the 12th March and the 20th July, 1956. As in the previous year, every eligible child was given the opportunity of attending the baths for a daily half hour session over a period of three weeks (fifteen sessions).

The results obtained are shown below in comparison with those of 1955:—

	1955	1956
Total number attended the scheme ...	1,322	1,374
Number able to swim at commencement	361 (27.3%)	425 (31.0%)
No. unable to swim at commencement	961 (72.7%)	949 (69.0%)

The following details concern only the original non swimmers.

	1955	1956
Satisfactory attendance (12 or more sessions)	790 (82.3%)	763 (80.3%)

Standard of proficiency achieved by satisfactory attenders.

	1955	1956
Complete water confidence	788 (99.7%)	763 (100.0%)
Glide 9 ft or more	721 (91.2%)	728 (95.5%)
Swim 25 ft.	562 (71.1%)	639 (83.7%)
Swim 25 yds.	317 (40.1%)	340 (44.4%)

The above figures show an overall improvement on the figures of the previous year.

2,384 swimming certificates were gained by children of primary and secondary school age. This figure compares favourably with

1954	1955
3,329 certificates	3,254 certificates

The decrease from the figure for 1955 may be attributed to higher standards being required in certain awards.

1,007 Royal Life-Saving Society awards were gained, showing a considerable improvement on last year's figure of 620, and is the highest number of awards ever gained in one year.

In competition with other secondary schools in South Wales, Belle Vue Secondary School (Girls) and Stow Hill Secondary School for Boys were awarded trophies for gaining the highest number of points for Royal Life Saving Society awards.

Representative teams took part in three major swimming meetings:—

- Inter Cities Swimming Gala at Newport.
- English Schools Swimming Association (Division 5) Trials at Taunton.
- Welsh Schools Swimming Association Championships at Barry.

As a result of the trials held at Taunton, four girls and two boys were selected to represent Division 5 in the English Schools Swimming Association Championships at Gateshead.

A successful Secondary Schools' swimming gala was held in November, and indicated considerable improvement in performance, particularly in the junior girls' section.

M. SAVIDGE,
R. H. DIAPER,
Organisers of Physical Education.

Provision of Meals.

The number of meals served to children in Newport Schools during the year was 878,154 compared with 907,282 during the previous year.

Midday meals were supplied in 30 canteens of which 16 were self-contained and 14 to which meals were delivered from other kitchens. Ten nursery classes also received meals.

During the previous year, a total of 2,675,169 one-third pint bottles of milk were consumed compared with 1,896,712 bottles this year, during which,

because of a dispute with milk suppliers, flavoured milk tablets were supplied during the period of the Summer term. The equivalent of 950,400 one-third pints of milks in this form were taken. Liquid milk was supplied to children at Nurseries throughout the whole of the year.

Investigation of an Outbreak of Food Poisoning at a Grammar School.

The clinical features were abdominal pain and diarrhoea coming on in the evening and lasting all night and in some cases for two or three days. There were 110 cases ascertained out of 440 at risk. *Clostridium Welchii* was isolated from all specimens taken from 54 girls on 25th January, 1956 but no food specimens remained when the outbreak was first reported to the Public Health Department on 24th January, 1956. Circumstantial evidence pointed to meat rissoles prepared and consumed at the School canteen as the food causing the outbreak.

It was thought that the meat was probably contaminated during slaughter. Outbreaks due to this organism are usually from contaminated meat. The meat was cooked the day before consumption and minced and left in two large masses in colanders, not in a refrigerator, to cool. Multiplication of the organisms no doubt occurred during this very long cooling process. Again the following morning successive batches of rissoles were heated and left hot and most children who had the first meal, whose rissoles had been heated first and left hot longest, were most seriously affected. Further multiplication of the organisms no doubt occurred therefore during this very long heating process.

Following on this outbreak the Education Department were given advice on measures to prevent a recurrence. It was stressed that it was a counsel of perfection to prevent some degree of contamination of food, but that small amounts of contamination would not cause symptoms and that the vital thing was to prevent multiplication of the organisms. Such outbreaks were almost invariably due to meat cooked the previous day and allowed to cool for long periods and most of them would be prevented if the meat was eaten hot on the day on which it was cooked. If this ideal solution was not practicable it was recommended that cooked meat intended to be eaten on the following day should be cooled quickly and refrigerated, and that if any further heating was necessary it should be done just before the meat was eaten, and furthermore, joints of meat be as small as practicable for cooking.

Co-operation of Parents.

Every encouragement is still given to parents to be present at the examination of their children, and they respond well.

At the Periodic Medical Inspections the percentage attendance of parents was 94.3 in the case of entrants 84.8 for the second age group, 31.4 for the third age group, 79.2 for other Periodic Inspections, and for all Periodic Inspections 75.1. These attendances are set out in tabular form below.

	No. of Boys Examined.	No. of Parents Present.	Per cent of Parents Present.	No. of Girls Examined.	No. of Parents Present.	Per cent of Parents Present.	Total Boys and Girls Examined.	No. of Parents Present.	Per cent of Parents Present.
Entrants ...	762	715	93.8	747	709	94.9	1,509	1,424	94.3
Second Age Group ...	789	664	84.1	730	625	85.6	1,519	1,289	84.8
Leavers ...	505	128	25.3	529	195	36.8	1,034	323	31.4
Total ...	2,056	1,507	73.2	2,006	1,529	76.2	4,062	3,036	74.7
Additional Routine Inspections ...	225	175	77.7	195	158	81.0	420	333	79.2
Grand Total ...	2,281	1,682	73.7	2,201	1,687	76.6	4,482	3,369	75.1

At the Clinic a parent attends in practically every case where there is any defect above the trivial.

Co-operation of Teachers, Education Welfare Officers, etc.

Thanks are again due to the Teachers, Education Welfare Officers and the Inspectors of the National Society for the Prevention of Cruelty to Children, for the help that they continue to give.

Handicapped Pupils.

The total number of children examined re education subnormality, maladjustment and epilepsy was 141.

A total of 169 examinations was made and they were carried out as follows:

- 10 At the Child's Home.
- 1 At the Reception Centre.
- 22 At Schools.
- 136 At School Clinic.

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The Regional Hospital Board, provided the services of Dr. D. F. Vaughan Johnson, Consultant Psychiatrist, on one session per month at the Civic Centre. During the year 12 sessions were held and 28 children were examined and a total of 60 examinations were made.

During the year 6 children were notified to the Mental Health Committee under Section 57 (3) and 11 children under Section 57 (5) of the Education Act, 1944.

The following table shows the number of cases recommended for treatment at Special Residential Schools:—

Category	Ad- mitted before 1956	Ad- mitted during 1956	Discharged in 1956	In at 31st Dec., 1956	Waiting Admission	Total
Blind	1	—	—	1	—	1
Partially Blind	5	1	1	5	—	5
Deaf	4	—	—	4	—	4
Partially Deaf	5	3	—	8	1	9
Delicate	21	33	27	27	2	29
Diabetic	—	—	—	—	—	—
Edu. Sub. Res. Schools	16	6	9	13	1	14
Edu. Sub. Day Schools	110	30	14	140	—	140
Epileptic	2	3	—	5	—	5
Maladjusted	25	1	11	15	2	17
Physically Handicapped	1	—	1	—	—	—
Speech	1	—	1	—	1	1
Total	191	77	64	218	7	225

Nursery Schools.

There are ten Nursery Schools with a total accommodation for 315 children. Responsibility for the medical examination was assumed by the School Health Service on 1st April, 1947.

During the year 452 children were examined at the Nursery Schools as a routine procedure. These children are normally examined three times in the course of a year and many of these children are re-examined. 281 re-examinations were made, making a total of 733 examinations.

The following table shows the Classification of the Physical Condition of the Children Inspected in the Nursery Schools:

No. of Children Inspected	SATISFACTORY		UNSATISFACTORY	
	No.	% of Column 1	No.	% of Column 1
(1)	(2)	(3)	(4)	(5)
452	452	100	—	—

Employment of Young Children and Young Persons.

Certificates under the provisions of the Byelaws regulating the employment were issued in respect of 236 children. Certificates were issued in respect of 1 child in connection with employment of children in entertainments.

Miscellaneous.

The Medical Officers at the Clinic have carried out on behalf of the Education Committee the examination of 54 candidates for service under their authority for superannuation purposes.

60 Teachers were examined and reported on as to their fitness for their duties, and 79 examinations of entrants to college.

145 examinations of children were carried out on behalf of the Children's Committee.

Tables follow which give the statistics of the year's work in the form required by the Ministry of Education, together with the heights and weights of pupils examined during the year. A table is also included which may prove of interest, as it shows an improvement in the height and weight of the younger age groups from 1915 to 1956.

I am grateful to the Members of the Education Committee and to the Chief Education Officer and his staff for their continued co-operation. I should also like to thank all the members of my staff for their continued loyalty and support. Finally, I should like to express my thanks for the services and co-operation of the Visiting Consultants of the School Clinic and thank the General Practitioners for their readiness at all times to collaborate with the School Health Service.

I am, Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

The School Clinic,
26 Clytha Park Road,
Newport, Mon.
March, 1957.

W. B. CLARK,
Principal School Medical Officer.

MEDICAL INSPECTION RETURNS.

YEAR ENDED 31st DECEMBER, 1956

TABLE 1

Medical Inspection of Pupils attending Maintained Primary and Secondary Schools (including Special Schools).

A. Periodic Medical Inspections.

Age Groups inspected and Number of Pupils examined in each (see Note):

Entrants	...	...	...	...	1,509
Second Age Group	...	...	...	...	1,519
Leavers	...	...	...	...	1,034
Total					4,062

Additional Periodic Inspections:— 420

Grand Total ... 4,482

B. Other Inspections.

Number of Special Inspections	...	...	12,381
Number of Re-Inspections	...	...	2,227
Total			14,608

C. Pupils found to Require Treatment.

Number of Individual Pupils found at Periodic Medical Inspection to Require Treatment (excluding Dental Diseases and Infestation with Vermin):

NOTES—(1) Pupils found at Periodic Medical Inspection to require treatment for a defect should not be excluded from this return by reason of the fact that they are already under treatment for that defect.

(2) No individual pupil should be recorded more than once in any column of this Table, and therefore the total in column (4) will not necessarily be the same as the sum of columns (2) and (3).

Age Groups Inspected (1)	For defective vision (excluding squint) (2)	For any of the other conditions recorded in Table IIIA (3)	Total individual pupils (4)
Entrants	7	339	341
Second	174	256	411
Leavers	152	111	247
Total	333	706	999
Additional Periodic Inspections	25	42	64
Grand Total ...	358	748	1,063

*e.g., Pupils at special schools or who missed the usual periodic examination.

D. Classification of the Physical Condition of Pupils Inspected in the Age Groups Recorded in Table I.A.

Age Groups Inspected	Number of Pupils Inspected	Satisfactory		Unsatisfactory	
		No.	% of Col. (2)	No.	% of Col. (2)
(1)	(2)	(3)	(4)	(5)	(6)
Entrants ...	1,509	1,508	99.93	1	.06
Second Age Group	1,519	1,519	100.0	—	—
Leavers ...	1,034	1,034	100.0	—	—
Additional Periodic Inspections ...	—	—	—	—	—
Total ...	4,482	4,481	99.98	1	.02

NOTE:—The figures in Column (2) should normally be the same as those detailed under Table I.A.

Note on Table I.

The arrangements made by the Authority for the medical inspection of pupils attending schools maintained by the Authority are those prescribed in Regulation 10 (1) (a) of the School Health Service and Handicapped Pupils Regulations, 1953, which requires:—

“a general medical inspection of every pupil on not less than three occasions at appropriate intervals during the period of his compulsory school age and other medical inspectors of any pupils on such occasions as may be necessary or desirable:

Provided that there may be fewer than three general medical inspections for any pupil who attends schools maintained by the Authority for less than the period of his compulsory school age or, if the Minister approves, for all pupils.”

TABLE II

INFESTATION WITH VERMIN

1. Total number of individual examinations of pupils in schools by the school nurses or other authorised persons	41,430
2. Total number of individual pupils found to be infested	1,412
3. Number of individual pupils in respect of whom cleansing notices were issued [Section 54 (2), Education Act, 1944]	1,330
4. Number of individual pupils in respect of whom cleansing orders were issued [Section 54 (3), Education Act, 1944]	—

NOTES:—All cases of infestation, however slight, should be recorded.

The numbers recorded at (ii) (iii) (iv) above should relate to individual pupils and not to instances of infestation.

TABLE III

RETURN OF DEFECTS FOUND BY MEDICAL INSPECTION IN THE YEAR ENDED
31ST DECEMBER, 1956.

A. PERIODIC INSPECTIONS

Defect Code No.	Defect or Disease			Periodic Inspections				TOTAL age groups inspected including all other	
				Entrants		Leavers		Requiring Treatment	Requiring Observation.
(1)	(2)	(3)	(4)	Requiring Treatment.	Requiring Observation.	Requiring Treatment.	Requiring Observation.	(7)	(8)
4. Skin	18	13	5	—	44	24
5. Eyes—									
a. Vision	7	—	152	1	358	2
b. Squint	50	—	7	—	118	2
c. Other	7	4	4	—	23	4
6. Ears—									
a. Hearing	8	3	12	1	46	10
b. Otitis Media	11	15	2	2	17	27
c. Other	2	1	—	—	5	4
7. Nose and Throat	79	189	11	14	119	265
8. Speech	28	1	5	1	49	4
9. Lymphatic Glands	3	2	—	—	3	4
10. Heart	5	1	3	2	13	7
11. Lungs	52	20	8	—	83	40
12. Developmental—									
a. Hernia	3	1	—	—	7	3
b. Other	10	9	2	—	26	32
13. Orthopaedic—									
a. Posture	7	1	3	—	11	5
b. Feet	17	—	8	—	54	2
c. Other	59	—	24	2	132	13
14. Nervous System—									
a. Epilepsy	6	1	1	—	10	3
b. Other	11	2	3	1	30	16
15. Psychological—									
a. Development	—	—	—	—	1	2
b. Stability	2	1	—	—	2	2
16. Abdomen	—	—	—	—	—	—
17. Other	6	12	6	2	23	15

TABLE III (Continued)

B. SPECIAL INSPECTIONS.

Defect Code No.	Defect or Disease	Special Inspections	
		Requiring Treatment	Requiring Observation
(1)	(2)	(3)	(4)
4. Skin		924	12
5. Eyes—			
a. Vision		762	14
b. Squint		252	2
c. Other		223	2
6. Ears—			
a. Hearing		143	26
b. Otitis Media		105	14
c. Other		294	3
7. Nose and Throat		477	402
8. Speech		110	36
9. Lymphatic Glands		21	1
10. Heart		23	7
11. Lungs		137	46
12. Developmental—			
a. Hernia		7	1
b. Other		9	15
13. Orthopaedic—			
a. Posture		31	12
b. Feet		87	12
c. Other		377	42
14. Nervous System—			
a. Epilepsy		12	2
b. Other		35	19
15. Psychological—			
a. Development		51	43
b. Stability		38	9
16. Abdomen		—	—
17. Other		787	56

TABLE IV

TREATMENT OF PUPILS ATTENDING MAINTAINED PRIMARY AND SECONDARY SCHOOLS (INCLUDING SPECIAL SCHOOLS)

Group 1. Eye Diseases, Defective Vision and Squint.

	No. of cases known to have been dealt with.	
	By the Authority	Otherwise
External and other, excluding errors of refraction and squint	191	9
Errors of refraction (including squint)	1,426	95
Total	1,617	104
No. of pupils for whom spectacles were prescribed	1,113	95

Group 2. Diseases and Defects of Ear, Nose and Throat.

				No. of cases known to have been treated.	
				By the Authority	Otherwise
Received operative treatment:—					
(a) for diseases of the ear	...	...	—	...	2
(b) for adenoids and chronic tonsillitis	...	...	—	...	386
(c) for other nose and throat conditions	...	...	—	...	10
Received other forms of treatment	...	...	543	...	27
Total				543	425

Total number of pupils in schools who are known to have been provided with hearing aids:—

* (a) in 1956	...	...	...	—	...	5
(b) in previous years	...	...	...	—	...	5

*NOTE:—A pupil recorded under (a) above should not be recorded at (b) in respect of the supply of a hearing aid in a previous year.

Group 3. Orthopaedic and Postural Defects.

				By the Authority	Otherwise
Number of pupils known to have been treated at clinics or out-patient departments				...	402

Group 4. Diseases of the Skin (excluding uncleanness for which see Table II).

							No. of cases treated or under treatment during the year by the Authority
Ringworm-- (i) Scalp	...	...	...	...	...	...	—
(ii) Body	...	...	...	...	...	...	7
Scabies	...	...	...	...	...	...	3
Impetigo	...	...	...	...	...	...	34
Other skin diseases	...	...	...	...	...	...	442
Total							486

Group 5. Child Guidance Treatment.

Number of pupils treated at Child Guidance Clinics under arrangements made by the Authority	236
---	-----	-----	-----	-----

Group 6. Speech Therapy.

Number of pupils treated by Speech Therapists under arrangements made by the Authority	162
--	-----	-----	-----	-----

Group 7. Other Treatment Given.

(a) Number of cases of miscellaneous minor ailments treated by the Authority	...	...	...	464
(b) Pupils who received convalescent treatment under School Health Service arrangements	...	...	...	54
(c) Pupils who received B.C.G. vaccination	...	...	...	745
(d) Other than (a) (b) and (c) above (specify)				
1. Tuberculin Skin Testing	824 (Infants group 5-6)			
	1,244 (Junior group 9-10)			
2. Diphtheria Immunisation	901 (includes 750 Boosters)			
3. Poliomyelitis Completed cases	344 (164 Boys & 180 Girls)			

TABLE V

DENTAL INSPECTION AND TREATMENT CARRIED OUT BY THE AUTHORITY

(1) Number of pupils inspected by the Authority's Dental Officers							
(a) At Periodic Inspections	...	...	...	...	...	...	6,507
(b) As Specials	...	...	...	...	...	...	4,306
Total (1)							10,813
(2) Number found to require treatment							
(3) Number offered treatment	...	...	...	...	...	...	8,111
(4) Number actually treated	...	...	...	...	...	...	7,659
(5) Number of attendances made by pupils for treatment including those recorded at heading 11 (h) below	...	...	...	...	...	...	6,993
(6) Half days devoted to:							
Periodic (School) Inspection	...	...	...	...	...	...	7,895
Treatment	...	...	...	...	...	...	36
Total (6)							1,178
(7) Fillings:							
Permanent Teeth	...	...	...	...	...	...	3,925
Temporary Teeth	...	...	...	...	...	...	347
Total (7)							4,272
(8) Number of teeth filled:							
Permanent Teeth	...	...	...	...	...	...	3,525
Temporary Teeth	...	...	...	...	...	...	347
Total (8)							3,872
(9) Extractions:							
Permanent Teeth	...	...	...	...	...	...	1,942
Temporary Teeth	...	...	...	...	...	...	5,338
Total (9)							7,280
(10) Administration of general anaesthetics for extraction							
(11) Orthodontics:							
(a) Cases commenced during the year	...	...	...	...	...	...	—
(b) Cases carried forward from previous year	...	...	...	...	...	...	—
(c) Cases completed during the year	...	...	...	...	...	...	—
(d) Cases discontinued during the year	...	...	...	...	...	...	—
(e) Pupils treated with appliances	...	...	...	...	...	...	—
(f) Removable appliances fitted	...	...	...	...	...	...	—
(g) Fixed appliances fitted	...	...	...	...	...	...	—
(h) Total attendances	...	...	...	...	...	...	—
(12) Number of pupils supplied with artificial dentures							
(13) Other operations:							
Permanent teeth	...	...	...	...	...	...	22
Temporary teeth	...	...	...	...	...	...	1,093
Total (13)							50
							1,143

Heights and Weights of Routine Examined Children in 1956.

Boys.—Heights in inches, Weights in lbs.

Age	Nursery Schools			Primary Schools			Secondary Schools			Special Day School		
	No. Taken	Average Height	Average Weight	No. Taken	Average Height	Average Weight	No. Taken	Average Height	Average Weight	No. Taken	Average Height	Average Weight
2	13	35.8	32.5	...	...	...	...	...	...	...	...	...
3	100	38.3	36.5	94	...	...	...	...	...	...	...	...
4	114	40.5	40.4	668	41.5	40.9	...	...	...	...	...	...
5	43.1	42.6	...	...	...	...	...	...
6	89	45.0	46.6	...	...	...	...	...	...
7	21	48.2	56.9	...	...	...	...	...	...
8	17	50.8	66.4	...	...	...	...	...	...
9	18	52.2	66.8	...	...	...	...	...	...
10	698	53.9	73.2	...	...	...	14	52.7	69.0
11	94	55.0	76.5	...	...	...	1	52.7	63.8
12	20	57.0	84.4	...	...	...
13	14	57.4	89.3	...	...	...
14	18	59.9	96.3	...	...	...
15	338	62.4	110.4	...	...	...
16	83	64.6	121.8	...	63.5	107.8
17	30	67.9	142.3	...	...	...
18	30	68.7	141.4	...	...	...
19	18	69.2	144.9	...	...	...
	6	69.4	153.1	...	...	...

GIRLS.—Heights in inches, Weights in lbs.

Age	Nursery Schools			Primary Schools			Secondary Schools			Special Day School		
	No. Taken	Average Height	Average Weight	No. Taken	Average Height	Average Weight	No. Taken	Average Height	Average Weight	No. Taken	Average Height	Average Weight
2	19	34.4	29.7	...	...	...	...	...	...	...	...	...
3	83	37.8	34.9	...	...	...	...	...	...	...	...	...
4	123	39.8	37.8	97	41.4	39.9	...	...	...	...	...	...
5	1	40.5	42.9	651	42.7	41.5	...	...	...	...	...	...
6	...	...	...	86	44.8	47.3	...	...	...	...	...	...
7	...	...	...	28	46.4	49.7	...	...	...	...	...	...
8	...	...	...	8	51.0	65.3	...	...	...	...	...	...
9	...	...	...	11	53.4	70.6	...	...	...	...	...	...
10	...	...	...	620	53.8	73.7	1	53.1	78.6	6	54.4	68.2
11	...	...	...	110	54.8	75.9	23	56.8	90.6	...	...	...
12	...	...	...	...	...	...	19	59.0	95.0	...	...	...
13	...	...	...	...	...	...	10	60.3	95.7	...	...	...
14	...	...	...	...	...	...	358	61.6	111.5	...	...	...
15	...	...	...	...	...	...	105	62.2	112.8	1	59.0	101.7
16	...	...	...	...	...	...	30	63.5	125.6	...	...	...
17	...	...	...	...	...	...	20	62.9	119.2	...	...	...
18	...	...	...	...	...	...	12	64.0	123.4	...	...	...
19	...	...	...	...	...	...	4	64.2	121.0	...	...	...

Heights in inches. Weights in lbs.

GIRLS

Year	BOYS						GIRLS		
	Age 5			Age 6			Age 5		
	No. Taken	Average Height	Average Weight	No. Taken	Average Height	Average Weight	No. Taken	Average Height	Average Weight
1915	644	40 $\frac{3}{4}$	38.0	337	42 $\frac{1}{4}$	41.0	621	40 $\frac{3}{4}$	38 $\frac{1}{2}$
1924	653	41.3	40.5	119	43.2	42.2	545	41.5	38.2
1925	865	41.4	39.6	66	42.8	41.8	811	40.9	37.8
1926	809	41.4	40.0	153	43.4	43.3	746	41.1	38.9
1927	790	41.4	40.0	168	43.2	43.7	725	41.1	38.9
1928	782	41.5	40.2	112	43.5	43.5	687	41.1	38.5
1929	699	41.6	40.4	122	43.1	42.9	675	41.2	39.1
1930	692	41.4	40.7	112	42.1	43.7	613	41.2	39.3
1931	627	41.8	40.4	244	43.8	44.2	591	41.4	38.7
1932	513	41.4	40.2	69	43.3	44.6	542	41.1	38.9
1933	566	42.0	40.7	148	43.6	44.0	498	41.7	39.3
1934	565	41.8	41.1	121	43.8	44.2	561	41.6	39.3
1935	690	42.1	41.1	150	43.7	43.5	680	41.8	39.6
1936	684	42.0	40.8	104	43.8	44.2	592	41.7	39.4
1937	616	42.3	40.9	119	44.5	44.6	576	41.7	38.5
1938	569	42.6	41.3	82	44.6	45.3	547	42.3	39.8
1939	427	42.5	41.5	93	45.3	45.5	399	42.4	40.4
1940	387	42.7	41.8	62	44.4	46.6	353	42.2	40.2
1941	564	42.6	41.8	109	44.4	44.8	505	42.3	40.4
1942	603	42.5	42.0	116	44.1	45.3	522	42.2	40.4
1943	567	42.5	42.4	228	44.2	45.3	491	42.4	41.1
1944	651	42.5	42.2	194	44.4	46.4	557	42.2	41.3
1945	547	42.7	42.4	58	44.5	45.7	490	42.3	40.7
1946	447	42.4	41.9	86	45.4	46.2	447	42.3	40.6
1947	528	42.4	42.3	58	45.1	46.7	483	42.1	40.8
1948	635	42.7	42.6	105	44.7	46.4	561	42.5	41.4
1949	681	42.7	44.6	92	44.1	47.0	598	42.5	42.0
1950	471	43.1	43.7	43	45.1	47.5	496	42.9	42.2
1951	640	43.0	43.3	127	44.4	46.6	570	42.9	42.4
1952	738	43.0	43.2	116	44.9	47.3	742	42.7	42.4
1953	816	43.1	43.2	183	45.2	47.3	747	42.9	41.8
1954	648	43.5	43.3	95	45.3	47.5	573	42.6	42.0
1955	669	43.3	43.5	131	45.0	47.3	606	42.8	42.2
1956	668	43.1	42.6	89	45.0	46.6	651	42.7	41.5

